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Coding Boot Camp

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DelphiFX for Python

Creating True Native GUI Apps



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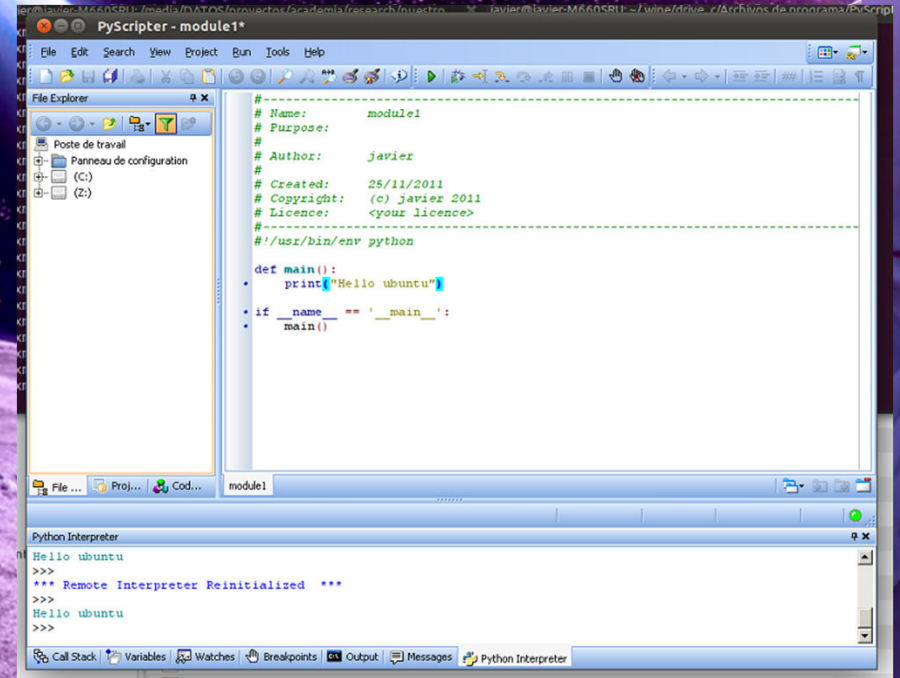
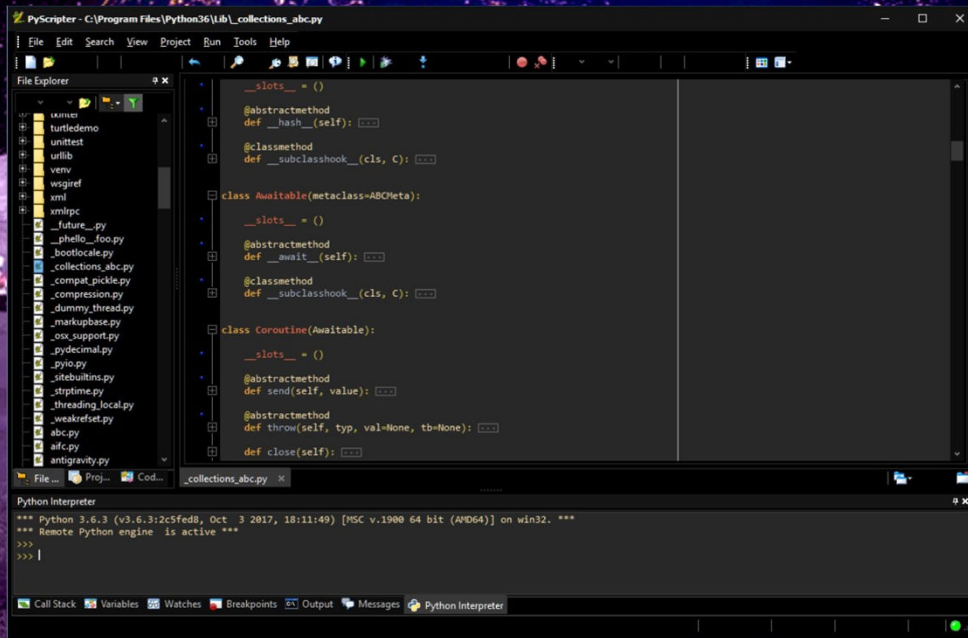
Delphi & Python





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PyScripter

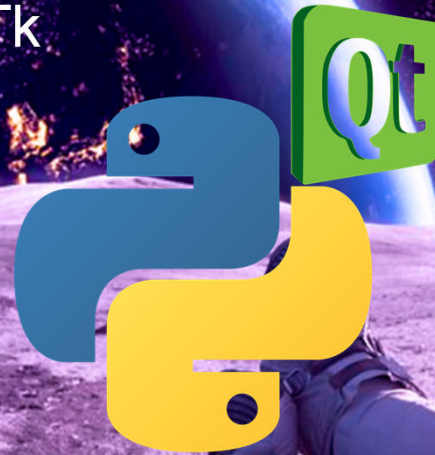




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GUI Development

tkinter — Python interface to Tcl/Tk





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DelphiFMX



DelphiFMX



Tkinter

Single event handler per event	<	Multiple event handlers per event
Instance level event bindings only	<	Both instance and class level events
Type hints still to do	<	Existing type hints
Components have Owners and Parents	>	No ownership hierarchy
Parents automatically show components	>	Need to pack each widget
18 layout options	>	3 layout options
124 Components	>	18 components
15 custom styles + 4 default styles	>	7 theme styles
Comprehensive visual designer	>	Limited designer
Simplified Android deployment	=	Works on all Python platforms





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DelphiFMX UI Components

FMX.StdCtrls

PresentedTextControl
Panel
CalloutPanel
Label
Button
SpeedButton
CornerButton
CheckBox
RadioButton
GroupBox
StatusBar
ToolBar
SizeGrip
Splitter
ProgressBar
Thumb
CustomTrack
Track
TrackBar
BitmapTrackBar
Switch
ScrollBar
SmallScrollBar
AniIndicator
ArcDial
ExpanderButton
Expander
ImageControl
PathLabel

FMX.Edit

Edit
SearchBox
ComboEditBase
ComboEdit
CustomEditBox
SpinBox

FMX.Memo

Memo

FMX.ListBox

ListboxItem
ListBox
ComboBox

FMX.ListView

AdapterListView
ListViewBase
PresentedListView
AppearanceListView
ListView

FMX.ComCtrls

TabControl
TabItem
MultiView

FMX.Dialog

OpenDialog

FMX.Shapes

Shape
Line
Rectangle
CaretRectangle
RoundRect
CalloutRectangle
Ellipse
Circle
Pie
Arc
CustomPath
Path
Text
Image
PaintBox
Selection
SelectionPoint

FMX.Colors

ColorBox
ColorQuad
ColorPicker
GradientEdit
ColorPanel
ComboColorBox
ColorButton
ColorListBox
ColorComboBox

FMX.Layouts

Layout
ScaledLayout
ScrollBar
VertScrollBar
HorzScrollBar
FramedScrollBar
FramedVertScrollBar
GridLayout
GridPanelLayout
FlowLayout
BufferedLayout

FMX.ScrollBox

PresentedScrollBar
PresentedVertScrollBar
PresentedHorzScrollBar
PresentedFramedScrollBar
PresentedFramedVertScrollBar

FMX.Forms

Form
Frame

FMX.Menus

MainMenu
PopupMenu
MenuBar
MenuItem

FMX.Grids

Grid
StringGrid
Column
StringColumn
ProgressColumn
CheckColumn
DateTimeColumnBase
DateTimeColumn
TimeColumn
DateColumn
PopupColumn
ImageColumn
CurrencyColumn
FloatColumn
IntegerColumn
GlyphColumn

FMX.Media

CameraComponent
CustomMediaCodec
Media
MediaPlayerControl
MediaPlayer
MediaPlayerStart
MediaPlayerStop
MediaPlayerPlayPause
MediaPlayerValue
MediaPlayerCurrentTime
MediaPlayerVolume

FMX.ActnList

CustomActionList
ActionList
Action
CustomViewAction

FMX.StdAction

HintAction
SysCommonAction
FileExit
WindowClose
FileHideApp
FileHideAppOthers
ObjectViewAction
VirtualKeyboard
ViewAction
BaseValueRange
ValueRange
ValueRangeAction

124

Components, Layouts, etc.

Many more coming



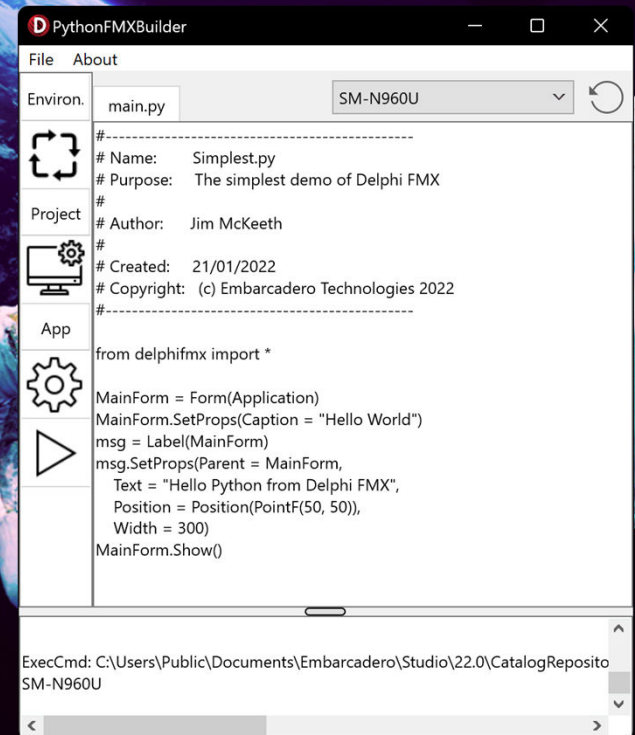


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DelphiMX Styles



Python FMX Builder



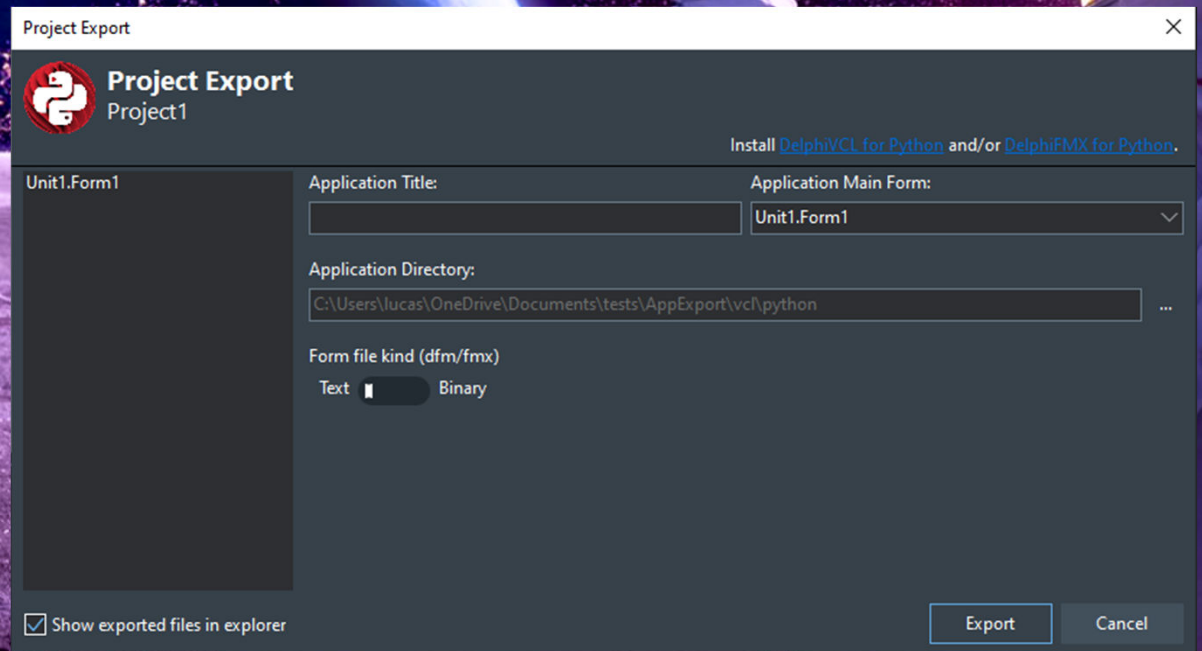
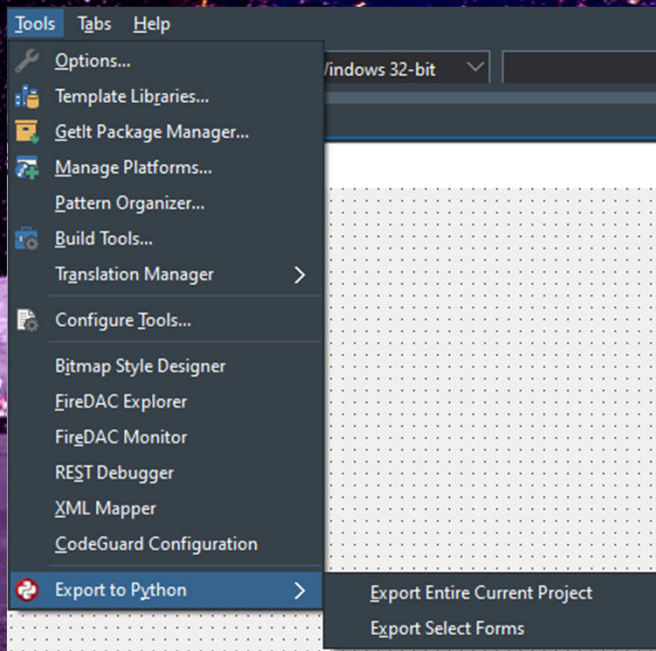
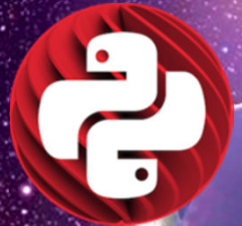
An application builder for Python using DelphiFMX for
Python for targeting Android





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Delphi4PythonExporter





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Thank you!

Muminjon Abduraimov

Get the code:
github.com/Embarcadero/CodingBootCamp2022

